

**Project Planning & Control**  
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**Lecture - 57**

**Final Exam Pattern, Acknowledgments**

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<b>FINAL EXAM PATTERN</b>	
<b>1. General (8)</b>	
<b>2. Basics of CPM (10) :</b>	Project network with Times (2) critical path(1), duration(1), floats (4), theory(2)
<b>3. Time cost trade-off (10) :</b>	Project network with critical path and duration(2), cost slope (2), Optimum duration and cost(3+1) + Bonus clause (+2)
<b>4. Resource allocation and levelling (7):</b>	Theory (3); RL, cum resource histogram for a given network (2); MMA (2)
<b>5. PDM (5):</b>	Theory (2); Problem-critical path and duration, Finish float, Start float, Relationship float, Activity float (3)
<b>6. Monitoring &amp; Earned value (5):</b>	theory (2); Problem (3)- BCWS, %Planned Completion, %of actual completion, time performance, cost performance
<b>7. PERT (5)</b>	Time calculation (1); Path & Duration (2) Duration(P) 1 Probability (5) -1

Now, we come to this issue; the final exam pattern, which I think most of you will be certainly interested in. I think we have covered a lot of topics, and we have a, am kind of going to go through the pattern here. So, we've actually allotted about 8 marks, so the final exam about 8 marks of questions (7) in the general category of general project management, about 10 marks in the basics of critical path method, 10 marks in the cost time trade-off, and we have given you the breakup of these further below. Further below the breakup of the marks are there.

So, it gives you some idea of how to prepare for this final exam, and we certainly want you to do well in the final, I think many of you have been doing extremely well on the assignments. I think if you have worked through the assignments carefully by yourself, understood the concepts, raise questions and discussion, I think the final exam should be reasonably doable for everyone. We have resource allocation and levelling again 7 marks for that, the precedence diagramming method, we have given about 5 marks for the problems for that, monitoring and earned value again about 5 marks. I would say it tilted

more towards earned value concepts in 5 marks, because that is from a computation point of view; that is very structured to do, in PERT again we have got about 5 marks of what, of you know the basic concepts as well as a calculations which we went to in PERT. So overall, this is the final exam pattern. I do not, I mean if you have, like I said if you have prepared well for the assignments, and through the course you should not have a problem, I would probably give you a hint in terms of saying that time cost trade off, you remember, it is quite and involved process, you have to be very meticulous to make sure you do not do, make any mistakes.

So, please do practice time cost trade off meticulously, because there will be, the questions on that can take time. So, that is a clue for you to able to extremely well in the exam because the time-cost trade-off can be challenging if you do not practice how to do it properly.

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Now, with this, I would like to get into the acknowledgement part of this course. The people you see on the screen are the teaching assistants without whom this course would not have been possible. And here we have Marimuthu who is a doctoral research scholar, so he has been the anchor for this course, he has helped with all the editing, all the detailed checking and several of questions on the forum as well as quizzes were done by Marimuthu. And Marimuthu was ably supported by Madhumitha. Madhumitha took care of some modules of the course as well as several issues, that is discussion forum was answered by Madhumitha. And here we have Purushothaman Srinath. Srinath actually took care of several of the CPM based module as well as some of the discussions. And

Thirumalai here, who took care of the initial part of the course, he took care of all the discussion as well as the quizzes and the notes for the initial part of the course. So, I again I would like to acknowledge this team, they were really instrumental in being able to float this course and being able to manage a lot of things in this 8 weeks of the class.

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I would also like to acknowledge the course participants, it has been really heartening for us to see the level of interaction in the discussion, you know many of you have pointed out, you know typographic or other calculation mistake which have crept into some of our assignments which you know we really thank you for making us. It shows how meticulously some of you worked on these problems, it's heartening to see that. So, we feel rewarded when you actually able to point out these things, which means what we are covering has actually made sense to you, and you are actually participating well in it.

We have also got several requests for software to be covered. So, I mean I think I have responded some of this thing, go to the internet and look at it, but many if you have got back and said no, no, no; the internet is not giving us what we want to learn, we would like it to to come from NPTEL, we would like to supplement this course with more software. I would, we will try to put that up, but please realize software changes very frequently, and like I said some other professional forums are better place. Once you become a professional, to adapt the software and keep which keeps changing, but we will certainly try our best along with NPTEL to offer some sessions of the software; might be in the next semester, we might offer a 10 lecture series on Microsoft project might be in a few months.

We will have to put that together and allot time for it, but we will not making too many promises now, but we see that there is a demand for it, we will see how we can address it best. Again thanks to the course participant, your feedback and participation have been really amazing. I would also like to thank NPTEL team without whom this course would not have, we know made it out of our power point and our notes, because without the kind of platforms they setup, without the kind of a coordination they have done we would never have got it into this format. Every time we come to the studio they are people to record and people to edit, and all of these have made this course possible. They have had challenging schedules to work with us, and this has really again made this possible in this period of time. So, again acknowledgements to all the people of supported us, and made this course possible.

And thank you and all the best for the final exam.